

Title (en)

COUPLING DEVICE WITH ECCENTRICALLY-MOUNTED ROTARY VALVE ELEMENT

Publication

EP 0234086 B1 19890531 (EN)

Application

EP 86306225 A 19860812

Priority

US 82443386 A 19860131

Abstract (en)

[origin: US4627598A] A coupling device has a male section selectively insertable into a female section. At least one of the sections has a ball valve rotatably mounted within a housing. When one section is inserted into the other, the ball valve is constrained to rotate about an axis eccentric to the center of the ball from a flow-preventing position to a flow-permitting position.

IPC 1-7

F16K 5/20; **F16L 37/22**; **F16L 37/28**

IPC 8 full level

F16L 37/28 (2006.01); **F16K 5/20** (2006.01); **F16L 37/00** (2006.01); **F16L 37/22** (2006.01); **F16L 37/23** (2006.01); **F16L 37/32** (2006.01); **F16L 37/47** (2006.01)

CPC (source: EP US)

F16L 37/23 (2013.01 - EP US); **F16L 37/47** (2013.01 - EP US)

Cited by

EP0489671A3; FR2687453A1; FR2670269A1; EP1353108A4

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

US 4627598 A 19861209; AT E43693 T1 19890615; CA 1259089 A 19890905; DE 3663729 D1 19890706; EP 0234086 A1 19870902; EP 0234086 B1 19890531; ES 2001976 A6 19880701; JP S62180193 A 19870807

DOCDB simple family (application)

US 82443386 A 19860131; AT 86306225 T 19860812; CA 517273 A 19860902; DE 3663729 T 19860812; EP 86306225 A 19860812; ES 8602008 A 19860919; JP 20573286 A 19860901